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JCS WASHDC

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E.O. 11652: GDS

TAGS: ETEL, MARR, NATO

SUBJ: NJCEC AGENDA ITEM - NICS FUNDING REQUIREMENTS AND NICS
CONFIGURATION

REFS: A. NICSMA-D/52; B. NICSMA-\$/53; C. MESSAGE NAC 3364,

DTG 200940Z FEB 75; D. ADDENDUM TO NICSMA-D/53, DTD

FEB 20, 1975

SUMMARY: DOCUMENTS NICSMA-D/52 AND D/53 GENERATED CONSIDERABLE
INTEREST AT NATO HQ. INFRASTRUCTURE COMMITTEE AND JOINT
COMMUNICATIONS-ELECTRONICS WORKING GROUP (JCEWG) HAVE DISCUSSED
THEM, AND NATO COMMUNICATIONS-ELECTRONICS BOARD (NCEB) HAS
SCHEDULED DISCUSSION. DISCUSSIONS TO DATE CENTERED ON NEED
OF SPECIFIC ALTERNATIVES FOR DECISION. NICSMA INITIALLY
RESISTED DEVELOPING ALTERNATIVES UNTIL MAJOR NATO COMMANDS
(MNCS) ESTABLISH FUNDING LEVEL FOR NICS IN 1976-80 COST-
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SHARING PERIOD. PRIMARILY BECAUSE OF JCEWG REQUEST, NICSMA
ISSUED AN ADDENDUM TO NICSMA-D/53. THE ADDENDUM PRESENTS TWO
VARIATIONS TO IMPLEMENTATION PLAN IN NICSMA-D/52, EACH COSTING
APPROXIMATELY IAU 15 MILLION LESS THAN THE ORIGINAL PLAN. THESE

ALTERNATIVES REVEAL BASIC ISSUES THE NATO JOINT COMMUNICATIONS-ELECTRONICS COMMITTEE (NJCEC) SHOULD ADDRESS AT ITS MARCH 1975 MEETING. THE MAJOR ISSUE IS WHETHER OR NOT TO INITIATE PROCUREMENT FOR THE NICS INTEGRATED NODAL NETWORK BEFORE 1980. TAKING THE AFFIRMATIVE, NICSMA FAVORS AN ALTERNATIVE INCLUDING PROCUREMENT OF TEN MIDAL SWITCHERS AND OTHER NODAL EQUIPMENT, REDUCING THE NUMBER OF TARES AND SECURE VOICE EQUIPMENTS, AND CURTAILING THE SCOPE OF THE ACE HIGH REPLACEMENT PROJECT. THE MNCS INCLINE TO AN ALTERNATIVE DELAYING NODAL EQUIPMENT AND BUYING ALL 19 OF THE PROGRAMMED TARES AND 300 ADDITIONAL SECURE VOICE EQUIPMENTS. BOTH ALTERNATIVES REDUCE THE NUMBER OF NEW SATELLITE GROUND TERMINALS TO THREE STATIC AND THREE TRANSPORTABLE.

IN THE ADDENDUM, NICSMA INVITES THE NJCEC TO GIVE POLICY GUIDANCE ON THE QUESTIONS RAISED BY THE TWO ALTERNATIVES. IT ALSO ASKS SPECIFIC DECISIONS ON THE NUMBERS OF SECURE VOICE EQUIPMENTS AND SATELLITE GROUND TERMINALS SO THAT PROCUREMENT ACTIONS CAN PROCEED.

MISSION RECOMMENDS STRONG US SUPPORT OF THE NICSMA-FAVORED ALTERNATIVE INCLUDING INITIAL PROCUREMENT OF NODAL EQUIPMENT BEFORE 1980. END SUMMARY.

1. THE TWO REFERENCED DOCUMENTS, NICSMA-D/52 AND D/53, BECAME "BEST SELLERS" AT NATO HQ. ALTHOUGH NICSMA PREPARED THEM FOR NJCEC ADDRESSAL, INFRASTRUCTURE COMMITTEE AND JOINT COMMUNICATIONS-ELECTRONICS WORKING GROUP HAVE DISCUSSED THEM AND NATO COMMUNICATIONS-ELECTRONICS BOARD HAS SCHEDULED DISCUSSIONS OF THEM. ADDITIONALLY, MISSION REP (GENTRY) HAS DISCUSSED THEM WITH NICSMA DEPUTY DIRECTOR GENERAL (KISSINGER). THE MOST COMMON TOPIC IN ALL DISCUSSIONS WAS THAT THE OPTIONS NICSMA OFFERS IN NICSMA-D/53 ARE TOO NEBULOUS TO PERMIT SPECIFIC DISCUSSIONS.

2. IN INFRASTRUCTURE COMMITTEE MEETING ON FEB 4, 1975, US REP (CAMPBELL) EXPRESSED DOUBT THA ANY GROUP COULD MAKE CONFIDENTIAL

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MEANINGFUL DECISIONS BASED ON THE OPTIONS NICSMA-D/53 PRESENTS. HE SUGGESTED THAT NICSMA SHOULD DEVELOP SPECIFIC PROPOSALS BASED ON ASSUMED LEVELS OF FUNDING FOR NICS. HE ALSO PROPOSED THAT THE INFRASTRUCTURE COMMITTEE ASK THE MAJOR NATO COMMANDS (MNCS) TO PROVIDE NICSMA WITH ESTIMATES OF THE RANGE OF FUNDING THEY COULD SUPPORT FORNICS (RECOGNIZING THAT THE MNCS HAVE NOT FINALIZED THEIR 1976-80 INFRASTRUCTURE PROGRAMS). THE COMMITTEE DECLINED TO MAKE THIS REQUEST OF THE MNCS, BUT THE MAJORITY OF THE MEMBERS AGREED THAT ADDITION OF SPECIFIC ALTERNATIVES WOULD IMPROVE NICSMA-D/53.

3. AT FEB 12, 1975 MEETING OF JOINT C-E WORKING GROUP (JCEWG), CHAIRMAN (VAN DER WILLIGEN) NOTED INFRASTRUCTURE COMMITTEE

ACTION AND STATED VIEW THAT NICSMA SHOULD NOT DEVELOP ALTERNATIVES UNTIL MNCS FINALLY DETERMINE THAT A FUNDING SHORTFALL EXISTS. NETHERLANDS REP (HOFMAN) POINTED OUT THAT MNCS WILL NOT PRESENT THEIR 1976-80 PROGRAMS UNTIL MAY OR JUNE, AND THAT IS TOO LATE TO BEGIN DEVELOPING ALTERNATIVES. HE CALLED FOR ACTION NOW. US REP (GENTRY) AGREED, EXPRESSING CONVICTION THAT BOTH NICSMA AND THE MNCS HAD AT LEAST PRELIMINARY INFORMATION SUITABLE FOR DEVELOPING ALTERNATIVES IN EVENT TOTAL REQUIRED FUNDING (IAU 154 MILLION) IS NOT AVAILABLE. SACLANT REP (WEKING) STATED THAT HIS COMMAND ALREADY HAD PREPARED A PRELIMINARY ASSESSMENT. CANADIAN REP (MILNE) PROPOSED THAT NICSMA SHOULD ADDRESS THE PROBLEM FROM A COMMUNICATIONS SYSTEM POINT OF VIEW; THAT IS, NICSMA SHOULD DEVELOP ALTERNATIVES WHICH MAINTAIN SYSTEM BALANCE WHILE MEETING TRAFFIC REQUIREMENTS AT LOWER COST. (FYI: OBJECTIVE OF CANADIAN PROPOSAL WAS TO OBTAIN A COMMUNICATIONS ENGINEERING SOLUTION NOT CONSTRAINED BY SO-CALLED REQUIREMENTS IMPOSED BY MNCS AND SOME ALLIES. END FYI) NATIONAL REPS DID NOT HAVE OFFICIAL GUIDANCE, BUT ALL PERSONALLY SUPPORTED THE CANADIAN PROPOSAL.

4. SENSING THE WILL OF THE NATIONAL REPRESENTATIVES, NICSMA REP (LEHARDY) INFORMED THE JCEWG THAT NICSMA ALREADY HAD BEGUN FORMULATING ALTERNATIVES. THE MNCS HAD BEEN PARTICIPATING TO SOME EXTENT. HE SKETCHED THE RESULTS AS OF THAT TIME, OFFERING THAT NICSMA WOULD REFINE THE ALTERNATIVES IN VIEW OF THE JCEWG DESIRES.

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5. ON FEB 21 1975 NICSMA DISTRIBUTED ADVANCE COPIES OF AN ADDENDUM TO NICSMA-C/53. THE ADDENDUM PRESENTS TWO VARIATIONS FOR NICS IMPLEMENTATION IN THE 1976-80 COST-SHARING PERIOD. NICSMA AND THE MNCS HAVE AGREED ON SOME ELEMENTS COMMON TO BOTH VARIATIONS. HOWEVER, THEIR DIFFERENCES BRING FORTH SEVERAL FUNDAMENTAL ISSUES WHICH THE NJCEC SHOULD DECIDE IN MARCH 1975 TO PERMIT THE NICS PROGRAM TO PROCEED WITHOUT DELAY. THE FOLLOWING TABULATION SHOWS THE PRINCIPAL ITEMS CHANGED FROM ANNEX XI FOR EACH VARIATION (E.E., ITEMS NOT LISTED REMAIN AS STATED IN THAT ANNEX):

A. VARIATION A(FAVORED BY MNCS)

TARES: 18 PLUS 1 TRAINING, IAU 22.9M(MILLION)
SECURE VOICE: 550 EQUIPMENTS, IAU 13.1M
STATCOM: 3 STATIC SGT, IAU 6.1M
3 TRANSPORTABLE SGT, IAU 3.1M
SSMA/TDM PHASE III, NIL

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ACE HIGH REPLACEMENT: IAU 17.0 M
ACE HIGH CONTROL SYSTEMS: IAU 1.7M

ANCILLARY FACILITIES: IAU 0.4M

NODAL NETWORK INTEGRATION: NIL

B. VARIATION B(FAVORED BY NICSMA)

TARES: 14 PLUS 1 TRAINING, IAU 18.3M

SECURE VOICE: 300 EQUIPMENTS, IAU 7.7M

STACOM: SAME AS VARIATION A

ACE HIGH REPLACEMENT: IAU 11.6M

ACE HIGH CONTROL SYSTEMS: IAU 1.6 M

ANCILLARY FACILITIES: IAU 0.3M

NODAL NETWORK INTEGRATION:

10 NODES, IAU 5.0M

7 MDCS, IAU 1.4M

50 MED SPED TERM, IAU 2.1M

OTHER COSTS, IAU 3.0M

C. THE TOTAL IMPLEMENTATION COSTS OF NICS FOR THE PERIOD 1971-1980 (PRESENT AND NEXT FIVE-YEAR COST-SHARING PERIODS) COMPARE AS FOLLOWS:

PRESENT IMPLEMENTATION PLAN: IAU 154.8M

VARIATION A: IAU 142.7M

VARIATION B: IAU 138.1M

6. THE TWO VARIATIONS MANIFEST A KEY ISSUE, WHETHER OR NOT TO INITIATE THE NICS NODAL NETWORK PRIOR TO 1980. NICSMA STRONGLY FAVORS PROCEEDING, WHILE THE MNCS (GIVEN INADEQUATE FUNDING FOR EVERYTHING) PREFER DELAY. NICSMA AGREES THAT 14 OPERATIONAL TARES WILL MEET TRAFFIC REQUIREMENTS AND THAT THE ALLIES LIKELY WILL NOT APPROVE PROVUREMENT OF 300 ADDITIONAL SECURE VOICE EQUIPMENTS. (THE MNCS HAVE STATED THE LARGER

QUANTITIES AS "MINIMUM MILITARY REQUIREMENTS"). THEREFORE, NICSMA PROPOSES TO REDUCE THE NUMBERS OF TARES AND SECURE VOICE EQUIPMENTS TO OBTAIN FUNDS TO START IMPLEMENTING THE INTEGRATED NODAL NETWORK.

7. NICSMA DIFFERS WITH SHAPE ON THE ACE HIGH REPLACEMENT PROJECT. SHAPE PROPOSES A "ONE-FOR-ONE" REPLACEMENT OF THE EXISTING SYSTEM. NICSMA CONTENDS THAT COMPLETE REPLACEMENT IS UNNECESSARY BECAUSE EXISTING OR PLANNED NATIONAL MILITARY TRANSMISSION SYSTEMS CAN SUPPLANT PORTIONS OF ACE HIGH. NICSMA CONFIDENTIAL

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CONSIDERS THIS APPROACH TO BE CONSISTENT WITH THE GENERAL DESIRE OF NATIONS TO CONSOLIDATE COMMUNICATIONS WHERE FEASIBLE. IT SHOULD BE NOTED THAT NICSMA AND THE MNCS AGREE ON REDUCING THE NUMBER OF NEW SATELLITE GROUND TERMINALS. THE THREE STATIC TERMINALS WILL BE TO ICELAND, ITALY, AND TURKEY. THE THIRD TRANSPORTABLE TERMINAL WILL SERVE SACLANT, WHO WILL DEPLOY IT IN EITHER PUERTO RICO OR THE AZORES.

8. THE KEY DECISION WHICH NICSMA ASKS THE NJCEC TO MAKE AT THE MARCH 1975 MEETING ARE AS FOLLOWS(QUOTED FROM THE ADDENDUM TO NICSMA-D/52):

BEGIN QUOTE:

(A) TO DETERMINE THE ELEMENTS WITHIN THE NICS PROGRAM TO WHICH PRIORITY SHOULD BE ACCORDED, PARTICULARLY AS REGARDS EARLY VERSUS LATER INTEGRATION, AND IN THE LIGHT OF SUCH A DETERMINATION, TO GIVE DIRECTIONS ON THE WAY IN WHICH THE NICS IMPLEMENTATION PLAN SHOULD BE VARIED IN THE EVENT THAT THIS IS MADE NECESSARY BY FUND LIMITATIONS;

(B) AT LEAST TO DECIDE UPON THE SCOPE OF THE SATCOM III SATELLITE GROUND TERMINAL AND THE PILOT SECURE VOICE PROGRAMS IN ORDER THAT URGENT CONTRACTUAL ACTIONS, NOW PLANNED, CAN PROCEED.

END QUOTE

9. THE MISSION BELIEVES THAT PUBLICATION BY NICSMA OF THE ADDENDUM TO NICSMA-D/53 STRENGTHENS THE NICS PROGRAM AND HELPS ASSURE ITS FUTURE. SOME DEEP-SEATED ISSUES EMERGED, AND THE NATIONS NOW HAVE AN OPPORTUNITY TO EXPRESS THEIR VIEWS BEFORE THE MNCS COMPLETE THEIR INFRASTRUCTURE PROGRAMS.

10. MISSION RECOMMENDS THAT THE US STRONGLY SUPPORT THE COURSE NICSMA PROPOSED IN VARIATION B. THIS COURSE INCORPORATES SEVERAL US-SPONSORED NATO OBJECTIVES, AMONG THEM RAPID COMPLETION OF NICS AND CONSOLIDATION OF COMMUNICATIONS. IT ALSO RECOGNIZES THE US UNWILLINGNESS TO PROCURE LARGE QUANTITIES OF ELCROVOX SECURE VOICE EQUIPMENT. MISSION BELIEVES THAT THE MNCS FAVORED ALTERNATIVE, IF ADOPTED, MAY DOOM NICSMA AND POSSIBLY

THE ULTIMATE NICS. THE NETHERLANDS REP TO JCEWG(HOFMAN)
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SATATED PRIVATELY THAT IF THE NJCEC DELAYS NODAL IMPLEMENTATION UNTIL AFTER 1980, HIS GOVERNMENT VERY PROBABLY WOULD PRESS FOR DISESTABLISHMENT OF NICSMA. THEY BLIEVE THAT NATO DOES NOT NEED AN AGENCY LIKE NICSMA TO IMPLEMENT SEPARATE NETWORKS. IN ADDITION, MISSION BELIEVES THAT SUPPORT OF NICSMA ON THIS ISSUE WILL STREGTHEN NICSMA' POSITION IN DEALING WITH MNCS. MANY OF NICSMA'S PROBLEMS COME FROM THE MNCS' PRACTIVE OF STATING THEIR REQUIREMENTS IN TERMS OF TYPE AND QUANTITY OF SPECIFIC EQUIPMENT, THEREBY FORECLOSING SOME SYSTEM DESIGN OPTIONS. ACCEPTANCE BY THE NJCEC OF VARIATION B WOULD REAFFIRM THE SYSTEM DESIGN FUNCTION ASSIGNED TO NICSMA.

11. MISSION SENT COPIES OF ADENDUM TO NICSMA-D/53 TO PENTAGON, APO REGISTEDED BOX 2776, FEB 24, 1975 AND TO STATE SUB-REGISTRY (UR-RPM), REGISTRY NO 750182, 25 FEB 75.

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D. ADDENDUM TO NICSMA-D/53, DTD FEB

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